

# TECHNICAL MEMORANDUM


Utah Coal Regulatory Program

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July 29, 2004

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TO: Internal File

FROM:  Dana Dean, P.E., Senior Reclamation Hydrologist/Team Lead

RE: Post Mining Land Use Change, Canyon Fuel Company, Banning Siding Loadout, C/007/0034, Task ID #1936

## SUMMARY:

Canyon Fuel Company submitted an amendment on May 26, 2004 to change the post-mining land use for a portion of the Banning Siding Loadout to "Industrial." East Carbonics Inc. has purchased a portion of the site from Canyon Fuel and plan to build a dry ice plant on it.

The Division found the application administratively complete on July 22, 2004.

This memo addresses the hydrology section of the application.

The application meets the minimum requirements of the Hydrology portion of the regulations. The Division should approve the amendment and incorporate it into the existing MRP.

**TECHNICAL MEMO**

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**TECHNICAL ANALYSIS:**

**OPERATION PLAN**

**HYDROLOGIC INFORMATION**

Regulatory Reference: 30 CFR Sec. 773.17, 774.13, 784.14, 784.16, 784.29, 817.41, 817.42, 817.43, 817.45, 817.49, 817.56, 817.57; R645-300-140, -300-141, -300-142, -300-143, -300-144, -300-145, -300-146, -300-147, -300-147, -300-148, -301-512, -301-514, -301-521, -301-531, -301-532, -301-533, -301-536, -301-542, -301-720, -301-731, -301-732, -301-733, -301-742, -301-743, -301-750, -301-761, -301-764.

**Analysis:**

**Diversions: General**

Exhibit 5-2 shows the entire site and all associated hydrologic structures. The map indicates that a portion of the diversion ditch that encompasses the site will lie on East Carbonics' land, but inside the permit area. The Permittee has an agreement in-place with East Carbonics to access the land as needed, therefore the Permittee could still perform any necessary maintenance and inspection of the ditch.

**Sediment Control Measures**

The substation will be outside the permit area when the Division approves this amendment. East Carbonics, Inc. already owns the land. The small area exemption for the outslope of the substation pad will no longer apply to the Banning MRP.

Alternative Sediment Control Area (ASCA) #1 will now contain just 0.08 acres instead of the previous 0.43 acres. The amendment proposed no other changes to the ASCA .

**Findings:**

Information provided in the amendment is adequate to meet the minimum requirements of the Hydrologic Operation Plan section of the regulations.

**RECOMMENDATIONS:**

The application meets the minimum requirements of the Hydrology portion of the regulations. The Division should approve the amendment and incorporate it into the existing MRP.